

EXHIBIT 4

Privileged and Confidential
 Attorney Work Product
 Selected by External Legal Counsel

Attachment 1.3(a)-3
 81

Data entry form

INDAVER

General

Application number:

Notification:

Waste producer:

Waste designation: 6587 (MP1-residue)

Form of delivery: TC (tank container) or IBC (approx. 1 m3) by road

Amount per year: 2500 MT Continuous/single delivery Continuous

Responsible chemical/technical contact:

E-mail:

Emergency phone number:

Waste data

1. Chemical composition (Include all components, total 100%)

Designation	CAS no.	Mass fraction in %		
		min.	max.	medium
phosphorodithioic acid, O,O-dimethyl ester (MP1)	756-80-9	45	55	50
Tetramethyl thiodiphosphate (MP-11/2)	5930-73-4	15	25	20
O, O-dimethylthiophosphite (MP1-S)	5930-72-3	10	20	15
Similar substances	-	0	15	15

Chlorine:	<0*	%
Fluorine:	<0*	%
Bromine:	<0*	%
Iodine:	<0*	%
Sulphur:	<35	%
Phosphorus:	<25	%
Total sodium/potassium/lithium/magnesium:	<0*	% (In total)
Zinc:	<0*	%
Total cadmium, thallium:	<0*	mg/kg (In total)
Total heavy metals (Pb, Cr, V, Sb, Se, Co, Ni, Sn, Mn, Cu):	<0	% (In total)
Mercury:	<0*	mg/kg
Organically bound silicon:	<0*	%
Ammonium:	<0*	%

*No data available. Expected to be <0% due to nature of waste fraction.

GHS labelling analogous to CLP Regulation:

H statements: H226, H290, H302, H332, H314, H361f, H412

P statements: P261, P272, P280, P305+P351+P338, P310, P501

2. Description of waste

Colour: Dark brown

Smell: Hydrogen sulfide-like (rotten eggs)

Condition at delivery temperature:

☐ semi-solid ☐ solid ☐ dusty ☐ liquid ☒ X ☐ pasty/sludgy

Undissolved solid content in weight%: 0 particle size: N/A

Boiling point °C: No data.

Melting point °C: No data; from experience: <0 °C

Calorific value kJ/kg: 19.8 kJ/g (19.8 MJ/kg)

pH value: No data / acidic (for pure MP1: 0,3 in 10% aqueous suspension)

Density: No data. Approx. 1.25 g/ml (density for pure MP1 is 1.29 mg/l)

Waste must be heated: ☐ yes ☐ no ☒ X

If yes, to what temperature in °C: Not applicable

Melting temperature °C: Not applicable; from experience <0 °C

Decomposition temperature °C: > 50 °C

Filling temperature °C: <40 °C

Transport temperature °C: <40 °C

Maximum handling temperature °C: <40 °C

Lengthy provision possible at filling temperature without changes/secondary reactions:

☐ yes ☐ no No secondary reactions foreseen

Minimum temperature °C at which no changes (e.g. crystallisation) occur: No data; from experience <0 °C

3. Physical properties

Ignition temperature °C: No data (314 °C for pure MP1)

Flashpoint °C: No data (64 °C for pure MP1). The material will release small amounts of hydrogen sulfide, a flammable gas, and measures should be taken to avoid static electricity and ignition sources during handling.

Vapour pressure at delivery temperature (mbar): No data (0,7 mbar at 39°C for pure MP1)

Viscosity at 20° C: No data Viscosity at 0 - 5° C: No data

83

4. Reactivitya) Miscibility with water: ☐ yes ☐ no NoReaction with water: ☐ yes ☐ no YesHeating ☐ yes ☐ no YesReaction ☐ yes ☐ no YesViolent reaction ☐ yes ☐ no YesSpontaneous decomposition ☐ yes ☐ no No

b) Is the waste:

Self-igniting in air: ☐ yes ☐ no NoIgniting/oxidising properties: ☐ yes ☐ no NoSensitive to impact/friction: ☐ yes ☐ no NoAn explosion hazard: ☐ yes ☐ no NoCorrosive to metal: ☐ yes ☐ no Yes

c) Is there a danger of:

Peroxide formation: ☐ yes ☐ no NOPolymerisation: ☐ yes ☐ no NO

If yes, under what conditions: Not applicable

d) Are other reactions (with other media) known: ☐ yes ☐ no NO

If so, which: Not applicable

Has the waste fully reacted? ☐ yes ☐ no YESHave reaction inhibitors been added? ☐ yes ☐ no No

e) Do dangerous decomposition products develop with unprotected work materials:

☐ yes ☐ no YES

If so, which: The waste fraction is acidic may react with certain metals including iron

5. Packaging and external dispatching

Suitable work material for tank trailers: Säkaphen lining (tank container); Refrigeration; deep tube

Suitable work material for seals: Teflon or graphite

Intended UN no.: 3265

Privileged and Confidential
 Attorney Work Product
 Selected by External Legal Counsel

84

ADR no. (Kemler number): 8; (Class 8, Packaging group II)

Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (0,0-DIMETHYL PHOSPHORODITHIOIC ACID)

Technical connections:

Vapour:	<input type="checkbox"/> Flange DN25	<input type="checkbox"/> Other (please specify):
Condensate:	<input type="checkbox"/> Flange DN25	<input type="checkbox"/> Other (please specify):
Nitrogen:	<input type="checkbox"/> Flange DN25	<input type="checkbox"/> Other (please specify):
Outlet:	<input type="checkbox"/> Flange DN80	<input type="checkbox"/> Other (please specify):
Riser pipe:	<input type="checkbox"/> Flange DN80	<input type="checkbox"/> Other (please specify):

The above details will be agreed. FMC normally uses connection in standard dimensions and will adapt to meet Indaver's requirements.

6. Safety measures

Hand protection: Chemical resistant gloves

Facial protection: Safety glasses or face shield

Respiratory protection: Required if handled in area without ventilation (A2B2E2K2HgP3)

Body protection: Chemical resistant coverall

Other: Chemical resistant footwear

Other information/remarks about the waste (e.g. details of the production/formation process, storage, pre-treatment or experience to date)

Documentation:

SDS

Signature of the responsible chemical/technical contact (see page 1):

Town/date:

Signature:
